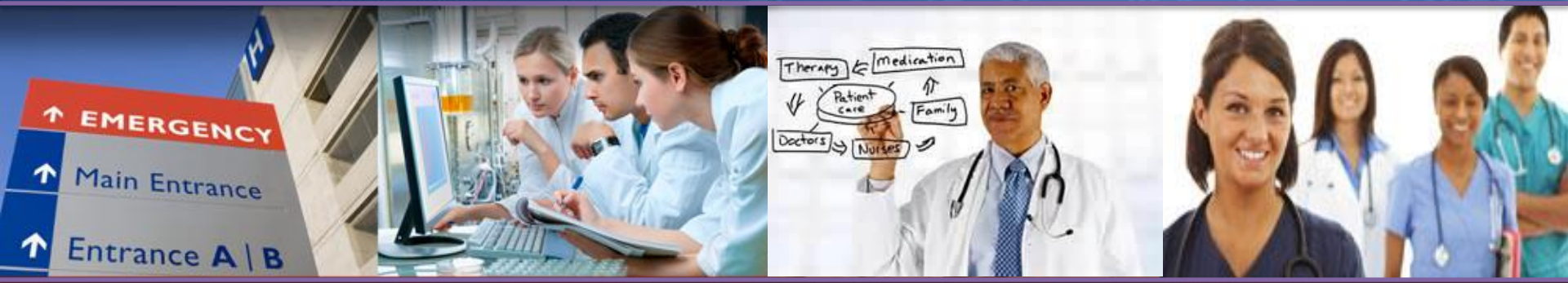
KHIE
KENTUCKY HEALTH INFORMATION EXCHANGE



KHIE Update Webinar

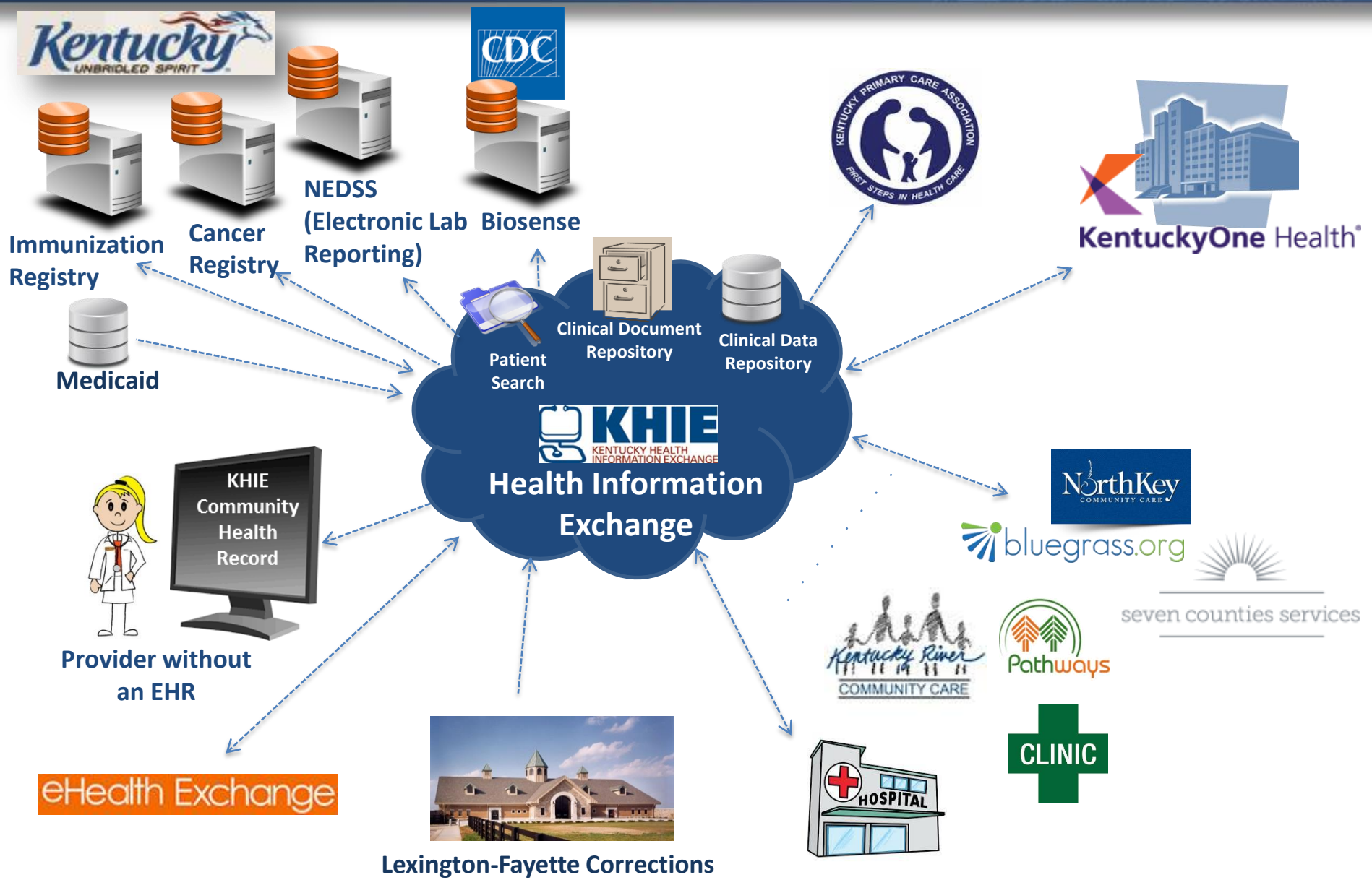
December 1, 2016

Kentucky
UNBRIDLED SPIRIT

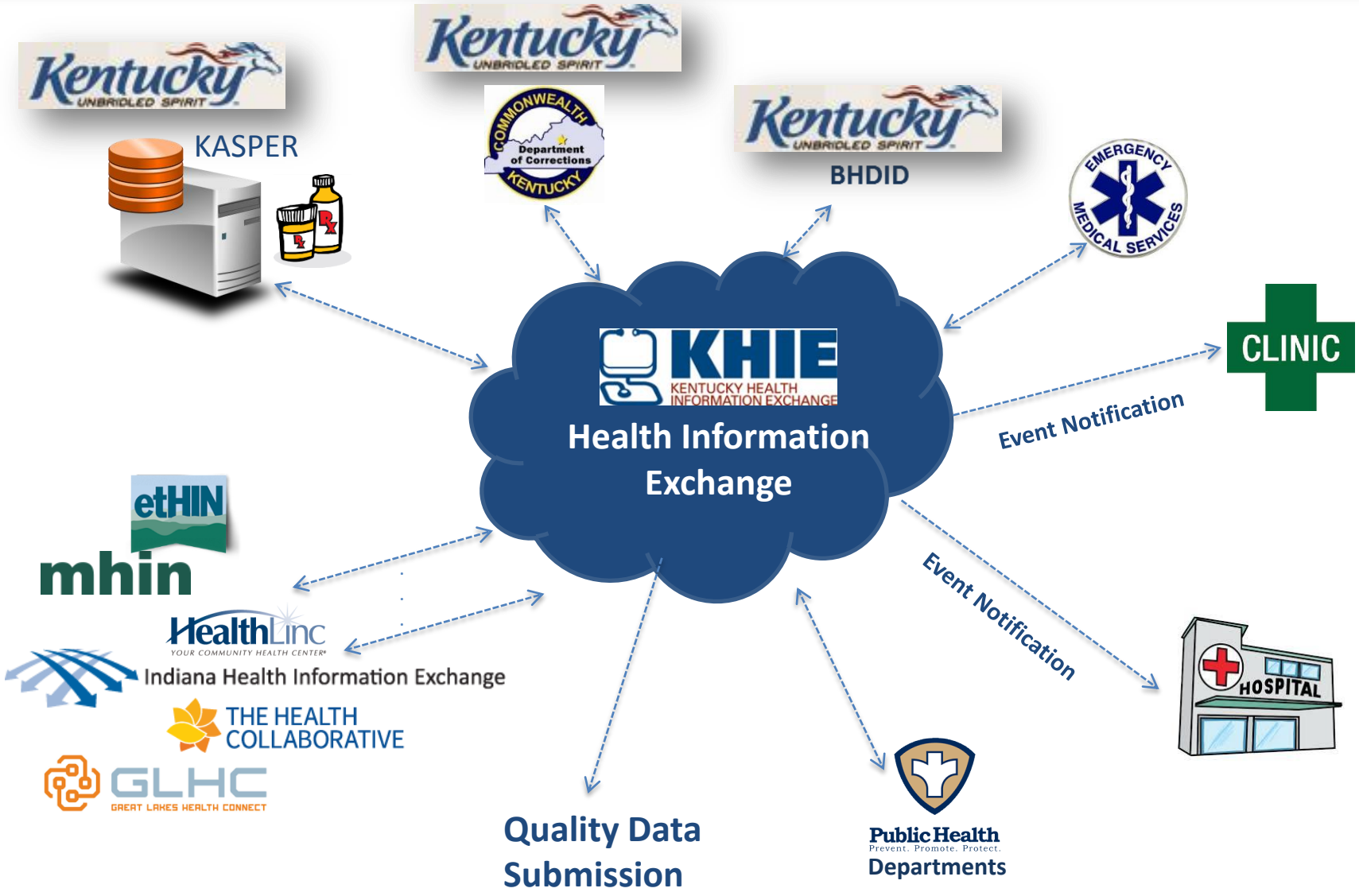
Agenda

- KHIE Update
- KHIE Services for Meaningful Use Program Year 2017
- Health Information Exchange (HIE) Objective
- Public Health & Clinical Data Registry Reporting Objectives

KHIE Network -Current Status



KHIE Future/Additional Initiatives
Late 2016/2017



KHIE
KENTUCKY HEALTH INFORMATION EXCHANGE

KHIE Services for Meaningful Use Program Year 2017

KHIE Services for Meaningful Use Program Year 2017

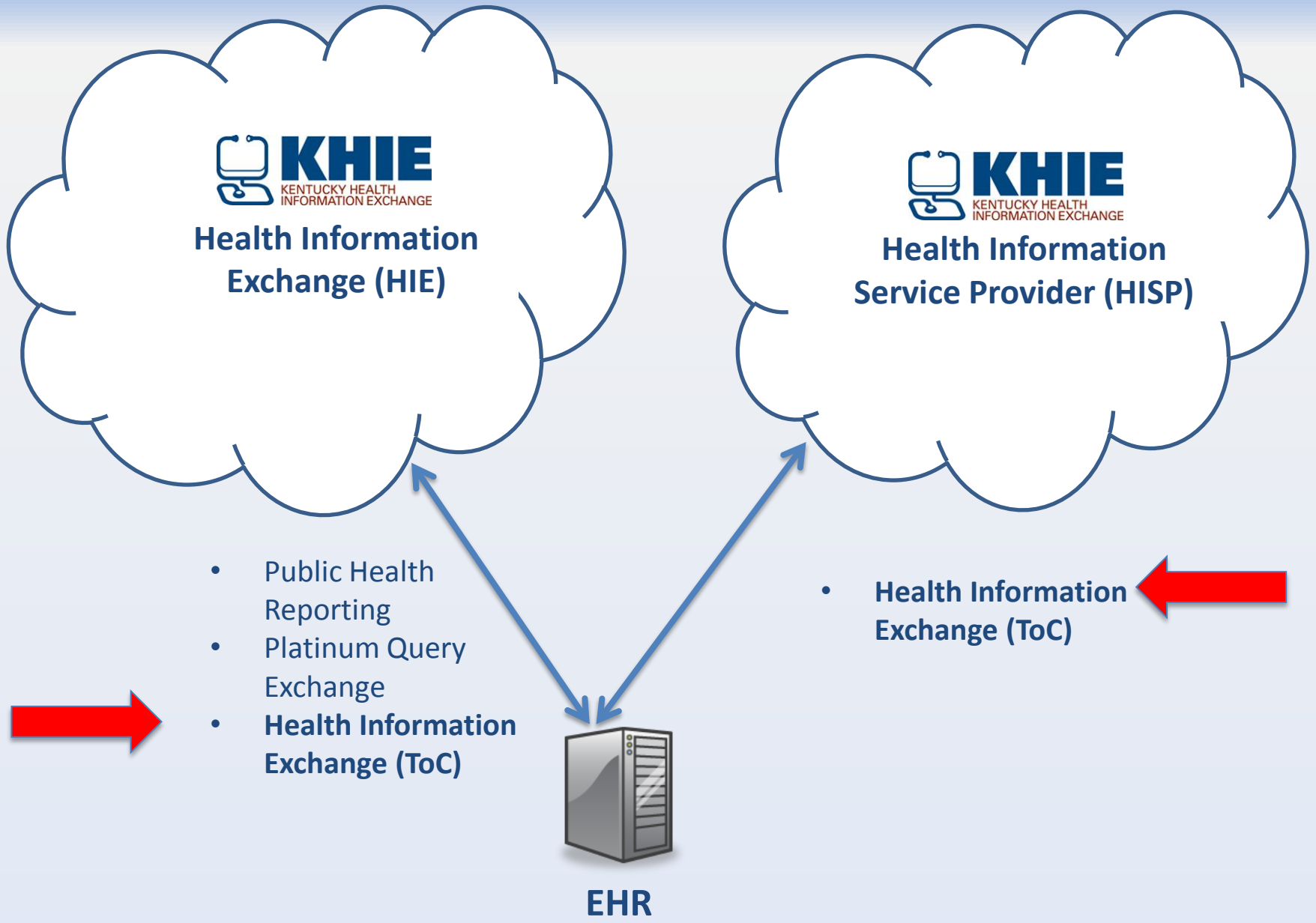
HIE Objective (Formerly ToC)

- Direct Secure Messaging
- KHIE Platinum Service

Public Health & Clinical Data Registry Reporting Objective

- Kentucky Immunization Registry
- CDC BioSense Syndromic Surveillance
- Kentucky Cancer Registry
- KY National Electronic Disease Surveillance System (NEDSS)
- KHIE Advance Directive Registry
- Kentucky Health Information Exchange

KHIE's HIE versus KHIE's HISP



KHIE Services for Meaningful Use Program Year 2017

HIE Objective

- Must be Live with KHIE to Attest to the HIE Objective

Public Health & Clinical Data Registry Reporting Objective

- Must Demonstrate Active Engagement:
  - Option 1 – Registration to Submit Data
  - Option 2 – Testing and Validation
  - Option 3 - Production

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KENTUCKY HEALTH INFORMATION EXCHANGE

Health Information Exchange Objective

KHIE Services for Meaningful Use Program Year 2017
HIE Objective (Formerly ToC)

- In October 2015 Final Rule, CMS added more flexibility and expanded the means by which a provider can send a summary of care record:

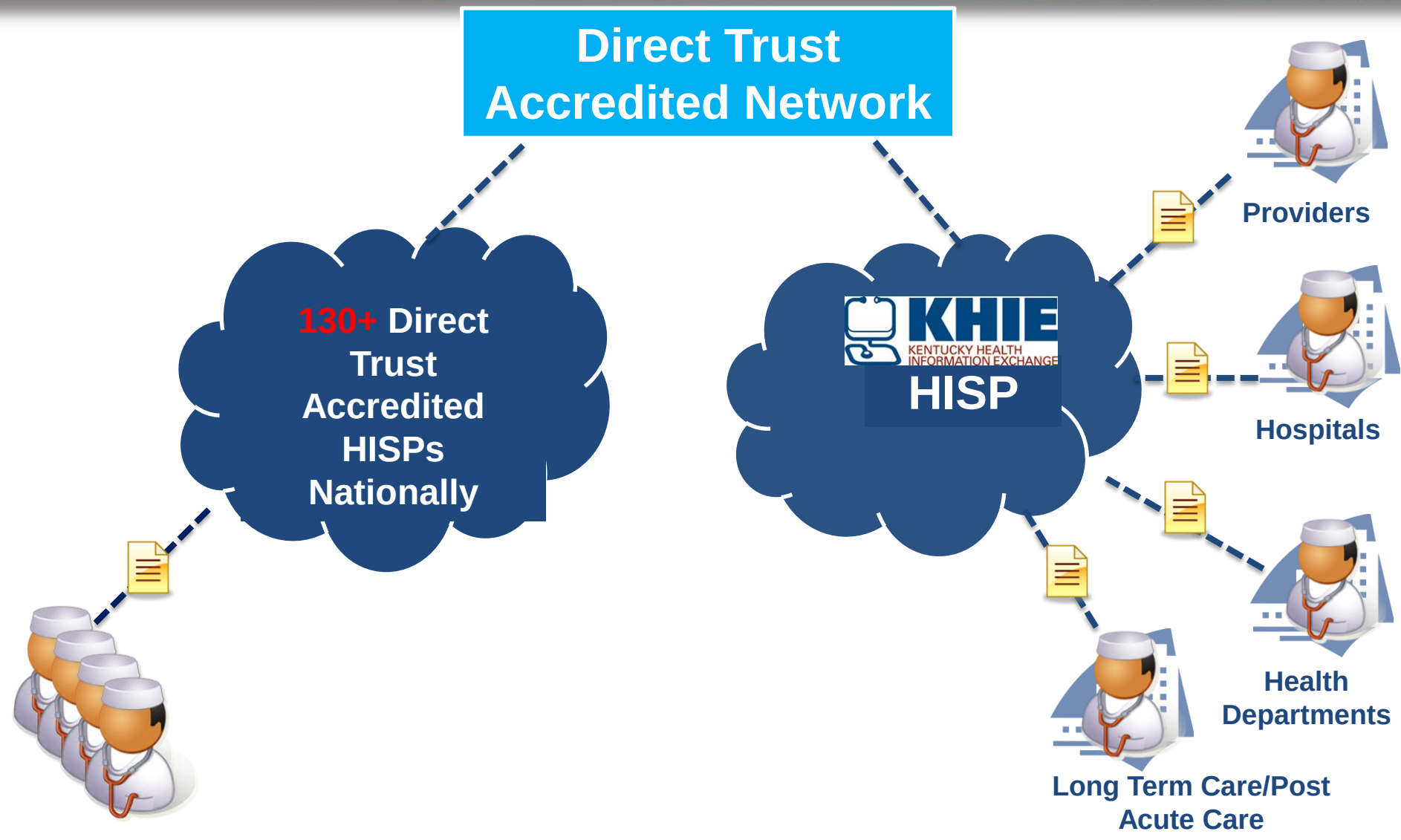
  …the provider that transitions or refers their patient to another setting of care (or) provider of care must:

  (1) use their certified electronic health record technology (CEHRT) to create a summary of care record

  (2) electronically transmit such summary to receiving providers

KHIE Services for Meaningful Use Program Year 2017
HIE Objective

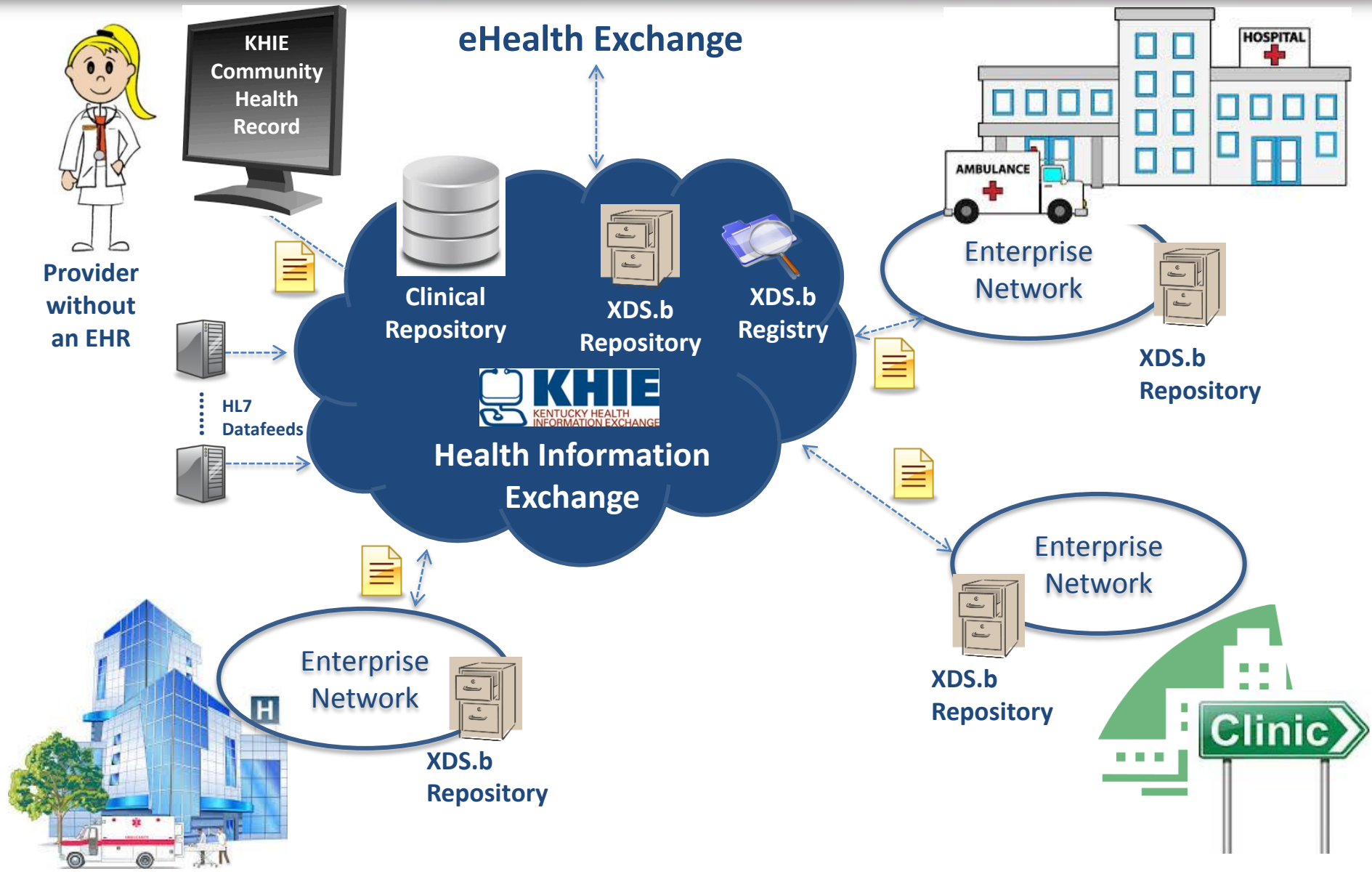
Achieving ToC with Direct Secure Messaging



Direct Secure Messaging

- **KHIE Health Information Service Provider (HISP)**
  - EHR<->HISP connectivity
  - Provider whose EHR has not partnered with a HISP
- **KHIE Direct Secure Messaging Portal (CareAlign)**
  - Whitespace providers who do not have an EHR
  - Provider with an EHR not capable of sending/receiving a direct secure message.
- **Kentucky Direct Email Catalog**
  - “Phone book” to look up a provider’s Direct email address
- **Direct Community Contact List**
  - Used to test Direct connectivity and C-CDA exchange with other providers

Achieving MU HIE Using KHIE's Platinum Capability: How it Works



KHIE Platinum Service: How it Works

- For each patient that is transitioned to another care setting, the referring provider electronically submits the summary of care record (C-CDA) to KHIE
- KHIE stores the C-CDA and sends an acknowledgement back to the referring provider's EHR
- The referring provider notifies the receiving provider that the C-CDA is available for query from KHIE
- The receiving provider queries KHIE and views and/or retrieves the C-CDA

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

Referring Provider:

- Must be live on KHIE with Platinum Connectivity

Receiving Provider:

- May either be live on KHIE with Platinum Connectivity or view C-CDA via the Community Health Record (VHR)

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KENTUCKY HEALTH INFORMATION EXCHANGE

Public Health and Clinical Data Registry Reporting Objective

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

KHIE is the Public Health Authority for MU reporting in Kentucky. EPs, EHs, and CAHs who wish to submit to any of the following registries must do so through KHIE:

- ❑ Kentucky Immunization Registry
- ❑ CDC BioSense Syndromic Surveillance
- ❑ Kentucky Cancer Registry
- ❑ Kentucky National Electronic Disease Surveillance System (NEDSS)
- ❑ Kentucky Advance Directive Registry
- ❑ Kentucky Health Information Exchange

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

MU Modified Stage 2
Objective 10: Public Health Reporting

Measure	Measure Name	WHO IS ELIGIBLE?		MAXIMUM TIMES MEASURE CAN COUNT TOWARD OBJECTIVE	KHIE SUPPORTED REGISTRY(s)
		EP?	EH/CAH?		
Measure 1	Immunization Registry Reporting	✓	✓	EPs: 1 EHs/CAHs: 1	• Kentucky Immunization Registry
Measure 2	Syndromic Surveillance Reporting	✓	✓	EPs: 1 EHs/CAHs: 1	• CDC BioSense Syndromic Surveillance
Measure 3	Specialized Registry Reporting	✓	✓	EPs: 2 EHs/CAHs: 3	• Kentucky Cancer Registry (EPs Only) • KHIE Advance Directive Registry
Measure 4	Electronic Reportable Laboratory Result Reporting	✗	✓	EPs: 0 EHs/CAHs: 1	• Kentucky Electronic National Disease Surveillance System (NEDSS)

EPs must meet 2 of 3 measures
EHs/CAHs must meet 3 of 4 measures

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

MU Stage 3 Final Rule
Objective 8: Public Health & Clinical Data Registry Reporting

Measure	Measure Name	WHO IS ELIGIBLE?		MAXIMUM TIMES MEASURE CAN COUNT TOWARD OBJECTIVE	KHIE SUPPORTED REGISTRY(s)
		EP?	EH/CAH?		
Measure 1	Immunization Registry Reporting	✓	✓	EPs: 1 EHs/CAHs: 1	• Kentucky Immunization Registry
Measure 2	Syndromic Surveillance Reporting	✓ (EPs in urgent care settings only)	✓	EPs: 1 EHs/CAHs: 1	• CDC BioSense Syndromic Surveillance
Measure 4	Public Health Registry Reporting	✓	✗	EPs: 2 EHs/CAHs: 4	• Kentucky Cancer Registry (EPs Only) • CDC BioSense Syndromic Surveillance (EPs in non-urgent care settings only)
Measure 5	Clinical Data Registry Reporting	✓	✓	EPs: 2 EHs/CAHs: 4	• KHIE Advance Directive Registry • KHIE (Platinum Service)
Measure 6	Electronic Reportable Laboratory Result Reporting	✗	✓	EPs: 0 EHs/CAHs: 1	• Kentucky Electronic National Disease Surveillance System (NEDSS)

EPs must meet 2 of 3 measures
EHs/CAHs must meet 3 of 4 measures

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

To satisfy Active Engagement Option 1 – Completed Registration to Submit Data, the following Kentucky legal documents need to be signed within 60 days after the start of the EHR Reporting Period

In Kentucky, your signed legal agreement(s) with KHIE represent your registration for public health measures

- **KHIE Participation Agreement plus:**
  - Immunization Registry Authorization
  - Syndromic Surveillance Authorization
  - Disease Surveillance Authorization (Electronic Laboratory Reporting)
  - Kentucky Cancer Registry Authorization
  - KHIE Advance Directive Registry Authorization
  - Exhibit B on the KHIE Participation Agreement

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

All providers must be *actively engaged* to submit public health data. The following options are considered *active engagement* per CMS

- **Option 1:** Registration to submit data
  - Signed legal agreements and public health addendum(s)
- **Option 2:** Testing and Validation
  - MU Confirmation Form
- **Option 3:** Production
  - Go-Live Approval Form

Providers that seek a specialized registry outside of KHIE are responsible for obtaining any documentation to support attestation

Providers are responsible for obtaining documentation to support any exclusion choices

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

Kentucky Immunization Registry

- **How it Works:**
  - KHIE supports bidirectional data exchange to submit immunization data and receive immunization forecasts and histories from the Kentucky Immunization Registry (KYIR)
  - To receive immunization data from KYIR, providers must be connected to KHIE via a web service connection

- **What KHIE Needs:**
  - Signed KHIE Participation Agreement and Immunization Registry Authorization Addendum
  - ONC Certified Immunization Interface
  - CVX Codes Representing the Substance Administered

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

CDC BioSense Syndromic Surveillance

- **How it Works:**
  - All EHs, CAHs, and EPs in Kentucky can utilize syndromic surveillance data submission through KHIE for Meaningful Use Public Health reporting
  - Working in close collaboration with the CDC NSSP and KDPH, KHIE monitors and forwards required ADT messages to CDC's BioSense Platform

- **What KHIE Needs**
  - Signed KHIE Participation Agreement and Syndromic Surveillance Authorization Addendum
  - ONC certified interface that include the following Admission, Discharge and Transfer (ADT) messages with patient identifying data

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

Kentucky Cancer Registry

- **How it Works:**
  - Providers who treat and/or diagnose cancer are eligible to participate
  - KHIE automatically forwards HL7 messages that specify the Cancer Registry as the intended receiver
  - The Kentucky Cancer Registry team will work with the EHR vendor and healthcare provider during onboarding to validate the cancer case reports they receive

- **What KHIE Needs:**
  - Signed KHIE Participation Agreement and Kentucky Cancer Registry Authorization Addendum
  - ONC certified interface that is capable of generating Cancer Registry CDA documents in accordance with the HL7 CDA Implementation Guide for Reporting to Public Health Cancer Registries from Ambulatory Healthcare Providers

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

Kentucky National Electronic Disease Surveillance System (NEDSS)

- **How it Works:**
- KHIE provides a service to automate electronic laboratory reporting (ELR) of reportable diseases to the Kentucky Department for Public Health (KDPH) in compliance with 902 KAR 2:020 and Meaningful Use
  - This service includes all reportable diseases covered under Kentucky Administrative Regulation 902 KAR 20:020, with exception of sexually transmitted diseases, HIV, and AIDS associated laboratory reports
  - KHIE monitors the laboratory feed for LOINC codes relevant to reportable diseases based on rules developed by KDPH

- **What KHIE Needs:**
  - Signed KHIE Participation Agreement and Disease Surveillance Authorization Addendum
  - All inclusive ADT feed
  - All inclusive ONC certified laboratory feed that supports HL7 2.5.1 ELR Standard with lab orders and results fully mapped to LOINC and SNOMED

KHIE Advance Directive Registry

- **How it Works:**
  - The Participant sends the Advance Directive Registry (ADR) document via Direct Secure Messaging to the KHIE ADR mailbox
  - The measure only requires one Advance Directive document on a patient to be sent to the KHIE ADR per business entity
  - Once the Advance Directive document is submitted to the KHIE ADR, the document is not retrievable from KHIE (future capability under development)
- **What KHIE Needs:**
  - Signed KHIE Participation Agreement and KHIE Advance Directive Registry Authorization Addendum
  - Participant must have Direct Secure Messaging capable of sending a PDF, TIFF, or JPG and the minimum necessary patient identifiers to the KHIE ADR mailbox

KHIE Services for Meaningful Use Program Year 2017
Public Health & Clinical Data Registry Reporting

Kentucky Health Information Exchange
(Platinum Service)

- **How it Works:**
  - There are no certification and standards criteria specified in the ONC EHR Technology Certification Criteria corresponding to this particular objective
  - To count KHIE as a registry reporting measure, the EHR Incentive Program participant must demonstrate MU Active Engagement for KHIE's Platinum Service
- **What KHIE Needs:**
  - Signed KHIE Participation Agreement with Platinum Connection Criteria in Exhibit B elected
  - Health IT system that supports Integrating the Healthcare Enterprise (IHE) XDS.b or XCA standard

KHIE Services for Meaningful Use Program Year 2017
Things to Remember…

90 Day Reporting Period for Program Year 2017

MU Stage 3 is Optional for Program Year 2017

Attest to Stage 3 = 2015 CEHRT

Register Intent Within 60 Days After the Start of the EHR Reporting Period

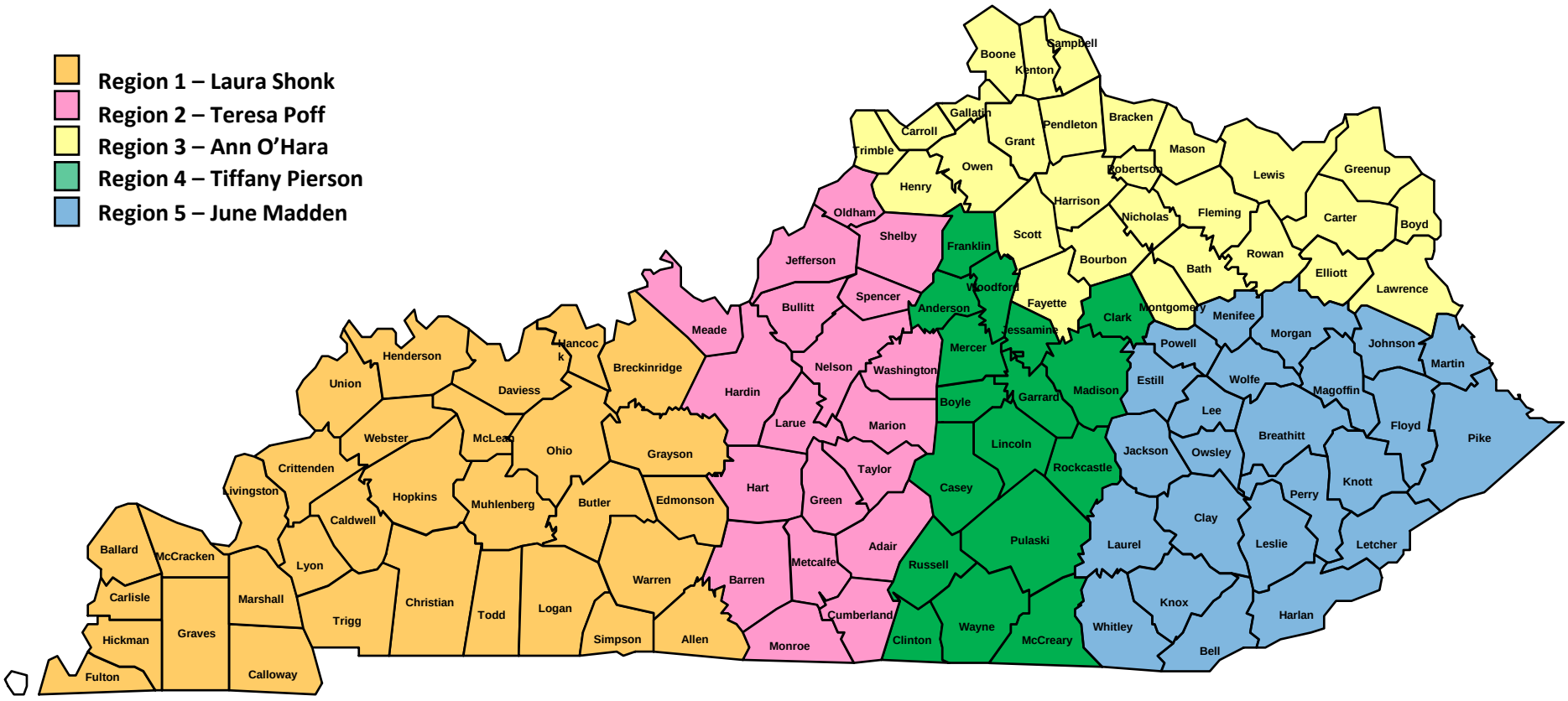
HIE Technology Must Be Live at the Beginning of your Attestation Window

Exclusions Don’t Count for Public Health/Clinical Data Registry Reporting

KHIE Services for Meaningful Use Program Year 2017
Key Take Aways

- ✓ **One Platinum Connection can be applied to 2 MU Objectives:**
  - Public Health & Clinical Data Registry Reporting
  - Health Information Exchange
- ✓ **In Kentucky, all EPs, EHs and CAHs can utilize syndromic surveillance data submission through KHIE for Meaningful Use Stage 3**
- ✓ **Next Step: Contact your KHIE Outreach Coordinator to get started**

KHIE Outreach Coordinator
Coverage Regions



Visit Us

http://khie.ky.gov

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CONNECT WITH KHIE | MEANINGFUL USE | NEWS AND RESOURCES | FAQS | ABOUT KHIE | EHEALTH SUMMIT | KHIE ALERTS

Connect with KHIE

Offering a safe and secure connection for the exchange of electronic health data .

Learn More

EHR Incentive Program

Eligible providers and hospitals may qualify for monetary incentives.

Learn More

Meaningful Use

Learn more about how KHIE can support your Meaningful Use efforts.

Learn More

News and Resources

Read recent press releases, view a provider map and more.

Learn More

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2 of 5

KHIE Fact Sheet

Monday, April 04, 2016

Learn more about the Kentucky Health Information Exchange. View the latest KHIE...

Get Started

Make the KHIE connection. KHIE outreach coordinators can help you get started.

Providers submitting live data to KHIE

Select a county from the map to find out who is connected to the KHIE and submitting live data.

Contact Us

Are you a health care provider, hospital or other organization ready to connect to KHIE? Do you have questions, comments or need more information about the program? Fill out this form to contact KHIE.

KHIE
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Questions???